



fünf Brüche, Reihenfolge der Operationen mit Klammern

Name: _____

Datum: _____ Ergebnis: _____

$$\left(\frac{1}{2} + \frac{1}{5}\right)^2 + \frac{1}{5}\left(\frac{3}{5} - \frac{1}{4}\right) =$$

$$\left(\frac{3}{5} + \frac{1}{4}\right)^2 + \frac{3}{4}\left(\frac{1}{3} - \left(\frac{2}{3}\right)^2\right) =$$

$$\left(\left(\frac{1}{5}\right)^2 + \frac{1}{2}\right) \times \frac{3}{2} - \left(\frac{2}{5} - \frac{3}{2}\right)^2 =$$

$$\left(\frac{3}{4} - \frac{1}{3}\right)^2 + \frac{1}{6}\left(\frac{2}{3} - \left(\frac{1}{5}\right)^2\right) =$$

$$\left(\frac{1}{6} + \left(\frac{1}{4}\right)^2\right) \times \frac{1}{4} - \left(\frac{1}{3} - \frac{1}{3}\right)^2 =$$

$$\left(\frac{1}{2} - \frac{2}{3}\right)^2 - \frac{2}{3}\left(\frac{3}{5} + \left(\frac{2}{5}\right)^2\right) =$$

$$\left(\frac{2}{5} + \left(\frac{2}{3}\right)^2\right) \times \frac{3}{4} - \left(\frac{3}{2} - \frac{1}{4}\right)^2 =$$

$$\left(2 + \frac{1}{2}\right)^2 - \frac{1}{2} + \frac{1}{3} + 2^2 =$$

$$\left(\frac{3}{4} - \left(\frac{1}{3}\right)^2\right) \times \frac{1}{2} - \left(\frac{2}{3} + \frac{1}{4}\right)^2 =$$

$$\left(\frac{1}{6} - \frac{1}{5}\right)^2 + \frac{1}{3}\left(\frac{2}{5} + \frac{3}{5}\right) =$$



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$$\left(\frac{1}{2} + \frac{1}{5}\right)^2 + \frac{1}{5}\left(\frac{3}{5} - \frac{1}{4}\right) = \frac{14}{25}$$

$$\left(\frac{3}{5} + \frac{1}{4}\right)^2 + \frac{3}{4}\left(\frac{1}{3} - \left(\frac{2}{3}\right)^2\right) = \frac{767}{1200}$$

$$\left(\left(\frac{1}{5}\right)^2 + \frac{1}{2}\right) \times \frac{3}{2} - \left(\frac{2}{5} - \frac{3}{2}\right)^2 = \left(-\frac{2}{5}\right)$$

$$\left(\frac{3}{4} - \frac{1}{3}\right)^2 + \frac{1}{6}\left(\frac{2}{3} - \left(\frac{1}{5}\right)^2\right) = \frac{1001}{3600}$$

$$\left(\frac{1}{6} + \left(\frac{1}{4}\right)^2\right) \times \frac{1}{4} - \left(\frac{1}{3} - \frac{1}{3}\right)^2 = \frac{11}{192}$$

$$\left(\frac{1}{2} - \frac{2}{3}\right)^2 - \frac{2}{3}\left(\frac{3}{5} + \left(\frac{2}{5}\right)^2\right) = \left(-\frac{431}{900}\right)$$

$$\left(\frac{2}{5} + \left(\frac{2}{3}\right)^2\right) \times \frac{3}{4} - \left(\frac{3}{2} - \frac{1}{4}\right)^2 = \left(-\frac{223}{240}\right)$$

$$\left(2 + \frac{1}{2}\right)^2 - \frac{1}{2} + \frac{1}{3} + 2^2 = \frac{121}{12} = 10\frac{1}{12}$$

$$\left(\frac{3}{4} - \left(\frac{1}{3}\right)^2\right) \times \frac{1}{2} - \left(\frac{2}{3} + \frac{1}{4}\right)^2 = \left(-\frac{25}{48}\right)$$

$$\left(\frac{1}{6} - \frac{1}{5}\right)^2 + \frac{1}{3}\left(\frac{2}{5} + \frac{3}{5}\right) = \frac{301}{900}$$